RECLAMATION

Managing Water in the West

2007 Colorado River Annual
Operating Plan
Colorado River Management Work Group
(CRMWG)
First Consultation
June 16, 2006



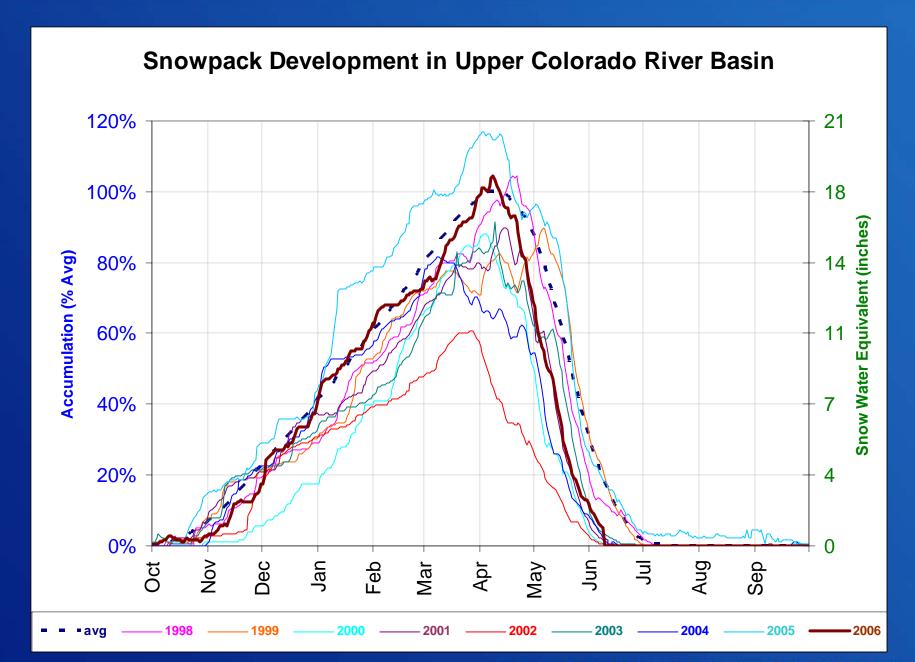
U.S. Department of the Interior Bureau of Reclamation

2007 Colorado River AOP First Consultation Meeting

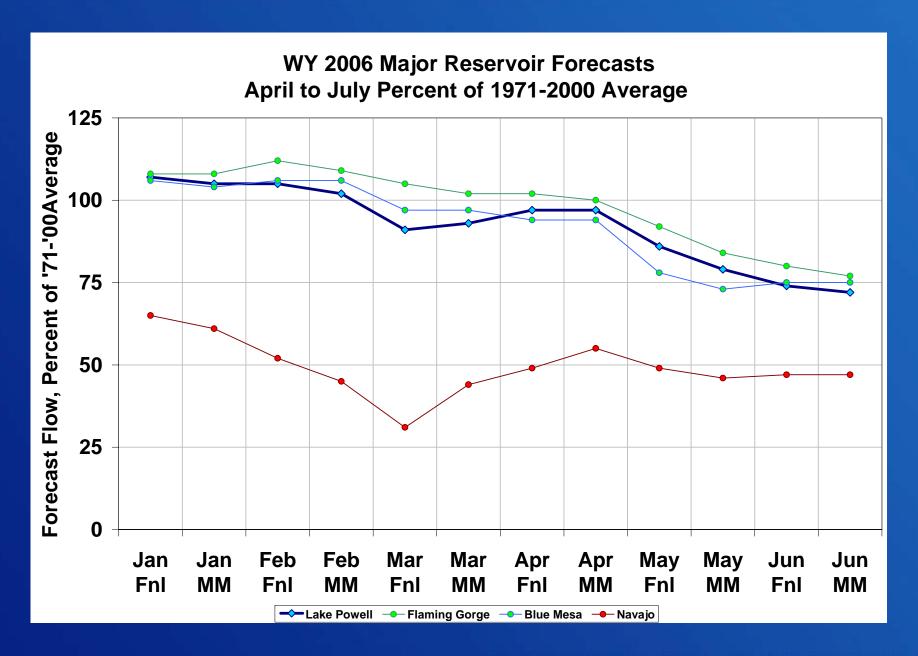
- Welcome and Introductions Tom Ryan
- Upper Basin Hydrology and Operations Chris Cutler
- Lower Basin Hydrology and Operations Doug Blatchford / Frank Macaluso
- Lower Basin Shortage Guidelines and Coordinated Management Strategies for Lakes Powell and Mead – Update on the EIS – Terry Fulp / Randall Peterson
- Review of Draft 2007 AOP CRMWG
- Conclusion, Wrap-up, Future Meeting Dates

Upper Colorado River Basin

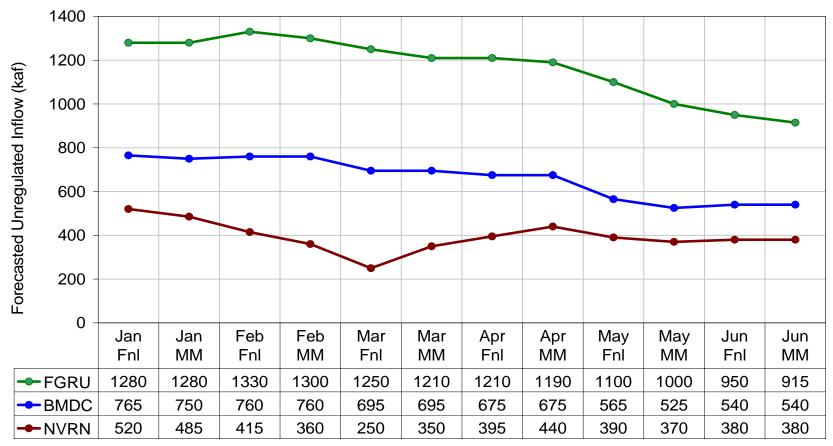
Hydrology and Operations





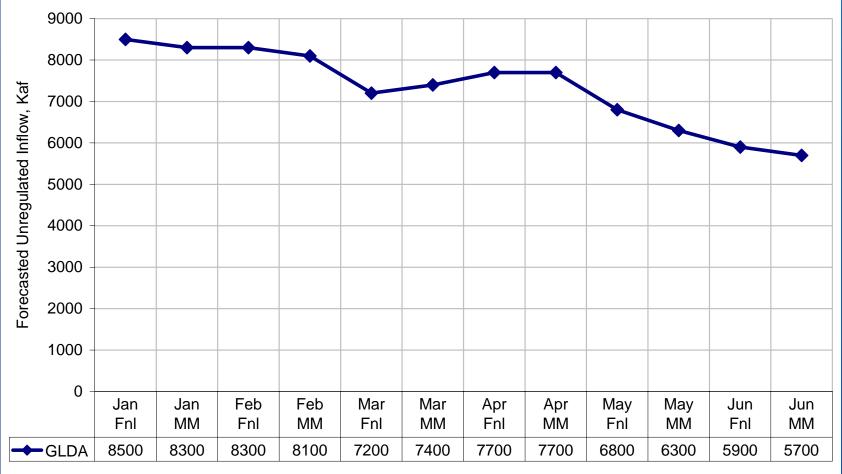


CBRFC Year 2006 Major Reservoir Forecasts April-July Unregulated Inflow

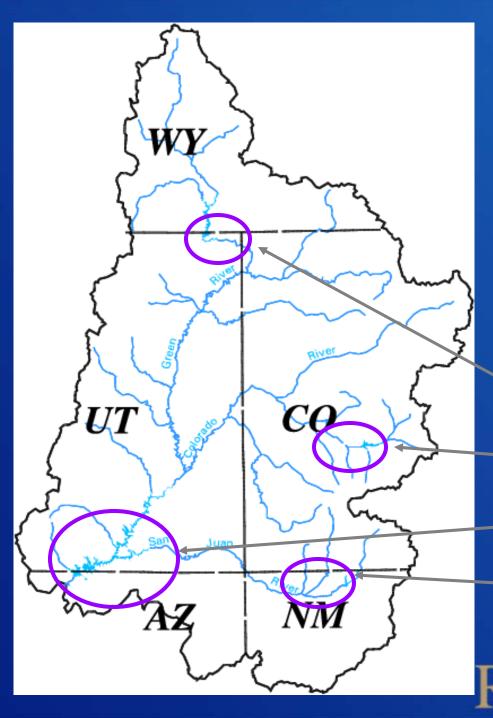


Forecast

CBRFC Year 2006 Lake Powell Forecasts A-J Unregulated Inflow



Forecast



2006 Upper Colorado Apr-Jul Inflow

June 2006

Mid Month Forecasts

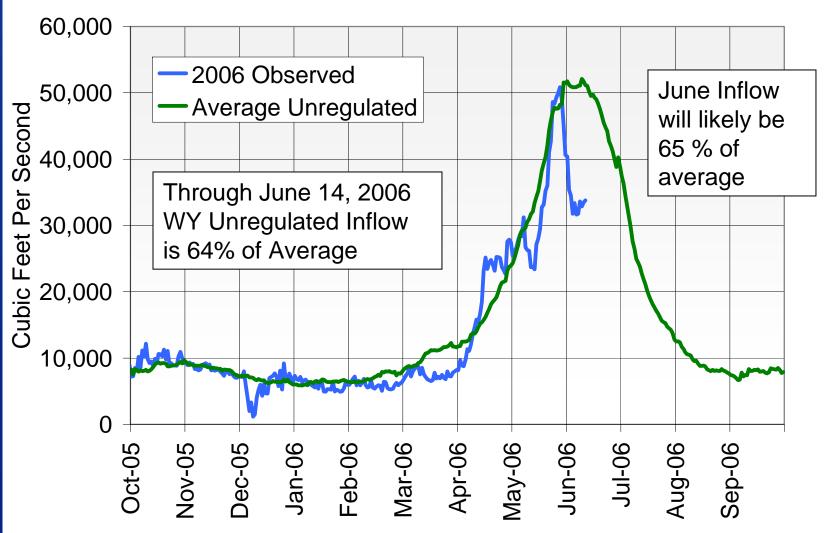
Flaming Gorge – 77 %

Blue Mesa – 75 %

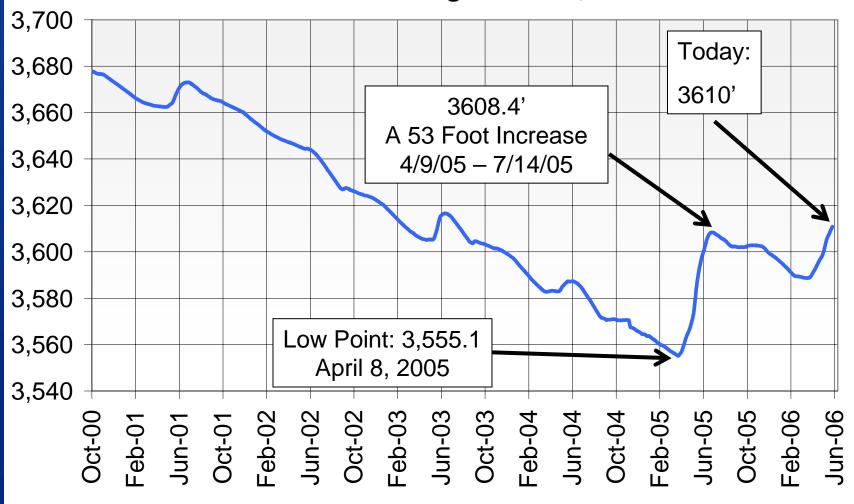
Lake Powell – 72 %

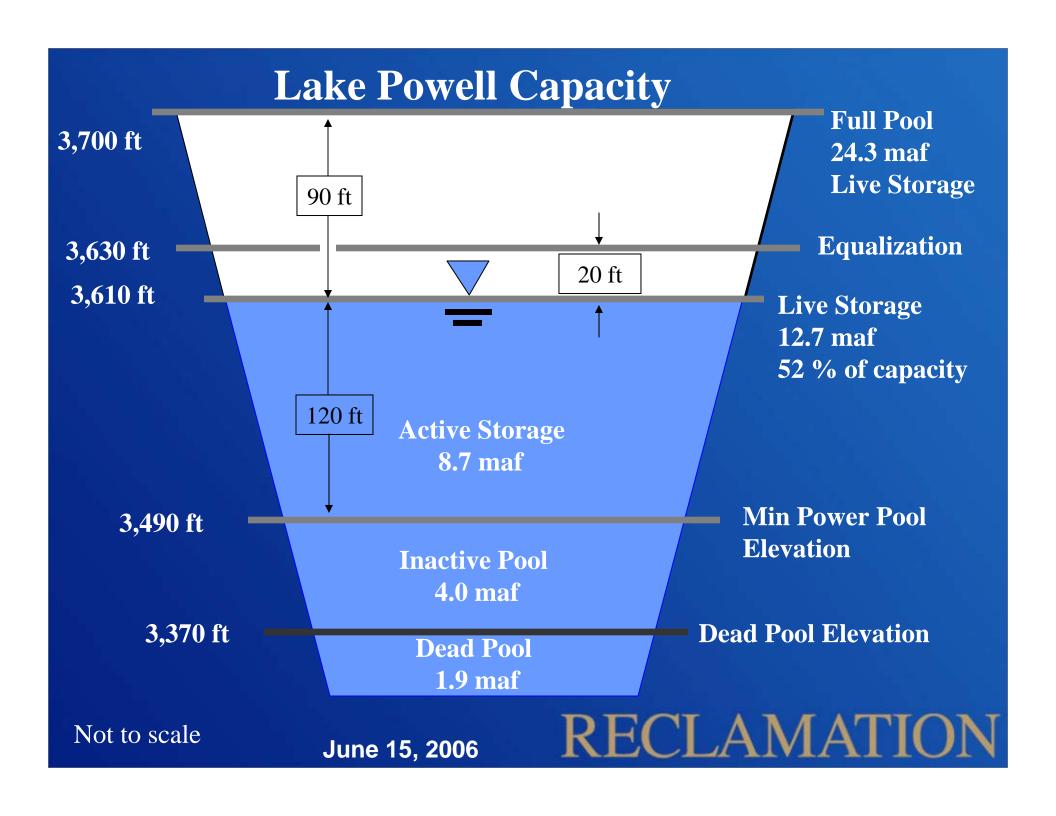
Navajo – 47 %

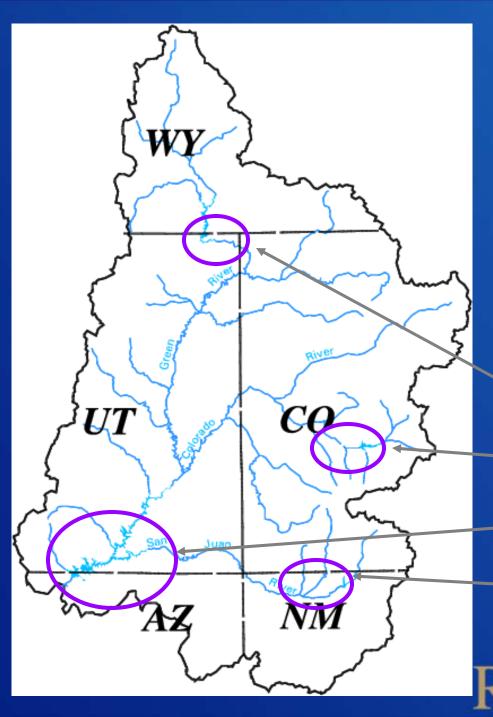
Lake Powell Unregulated Inflow Water Year 2006



Lake Powell Water Surface Elevations October 2000 through June 15, 2006







Projected CRSP Storage

September 30, 2006

(Percent of Live Capacity)

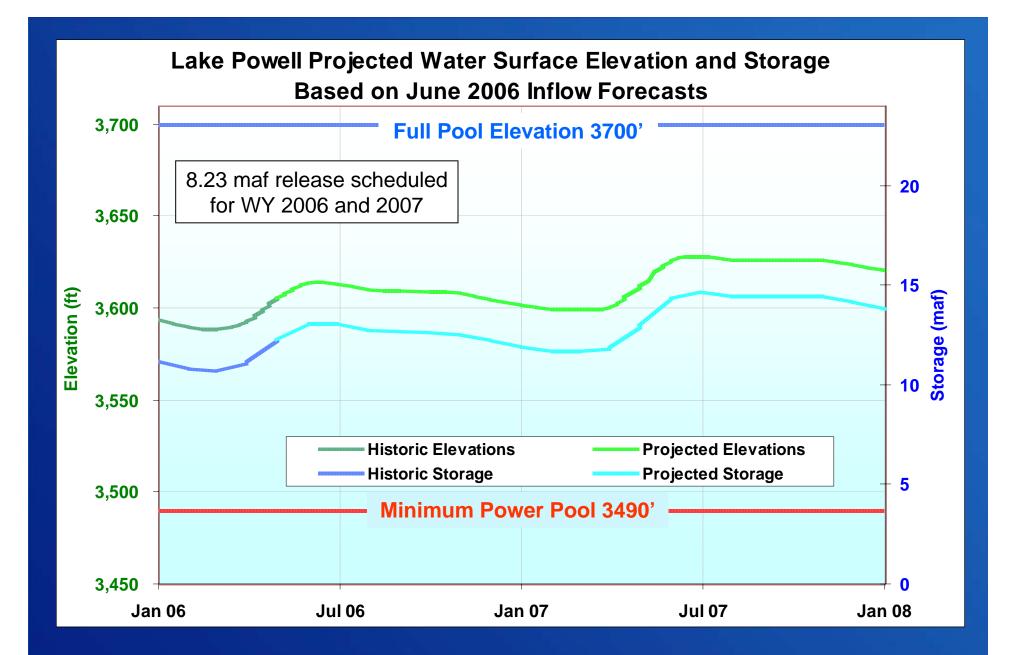
Based on June 2006 Final Forecasts

Flaming Gorge – 88 %

Blue Mesa – 76 %

Lake Powell – 52 %

Navajo – 81 %



Unregulated Inflow to Lake Powell by Water Year

Water Year	Inflow – maf 1	Inflow - % average 2
1999	13.1	109 %
2000	7.45	62 %
2001	7.06	59 %
2002	2.91	25 %
2003	6.21	51 %
2004	5.95	49 %
2005	12.61	105 %
2006 – most probable ³	9.28	77 %

1 maf = million acre-feet

2 average based on 1971-2000

3 based on June '06 24M Study

2007 Lake Powell Inflow Scenarios

Scenario	WY 2007	% Average
Minimum Probable	5.26	44 %
Most Probable	to be developed July 2006 By NWS	?
Maximum Probable	18.05	150 %

NWS = National Weather Service

maf = million acre-feet



Lower Colorado River Basin Hydrology and Operations



Five Year Historic Drought

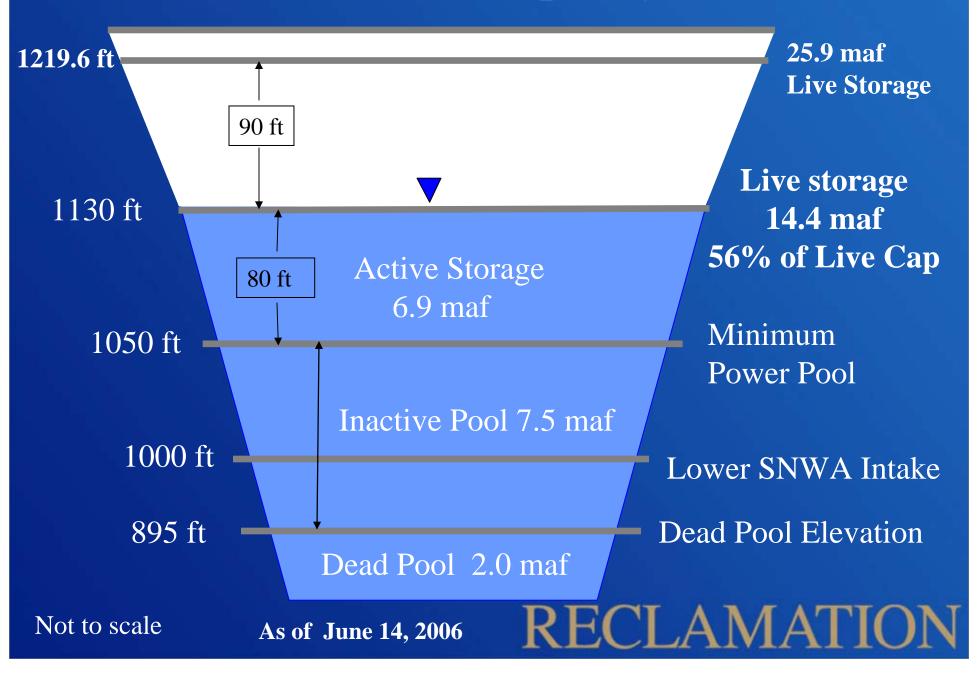
2000 - 2004

Colorado River Basin Storage (as of June 14, 2006)

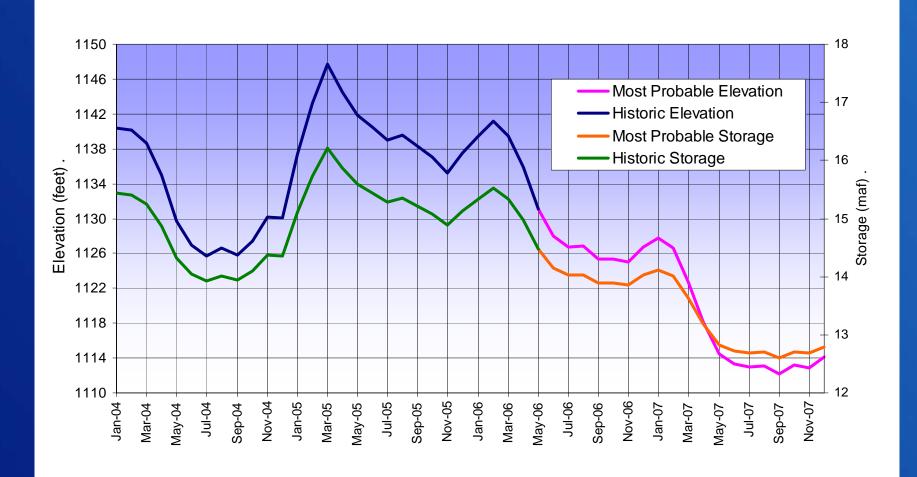
Current Storage	Percent Full	Million Acre-Feet	Elevation (Feet)
Lake Powell	52%	12.72	3610
Lake Mead	56%	14.37	1130
Total System Storage	59%*	35.09	NA

[•]Total system storage was 34.82 maf or 59% this time last year

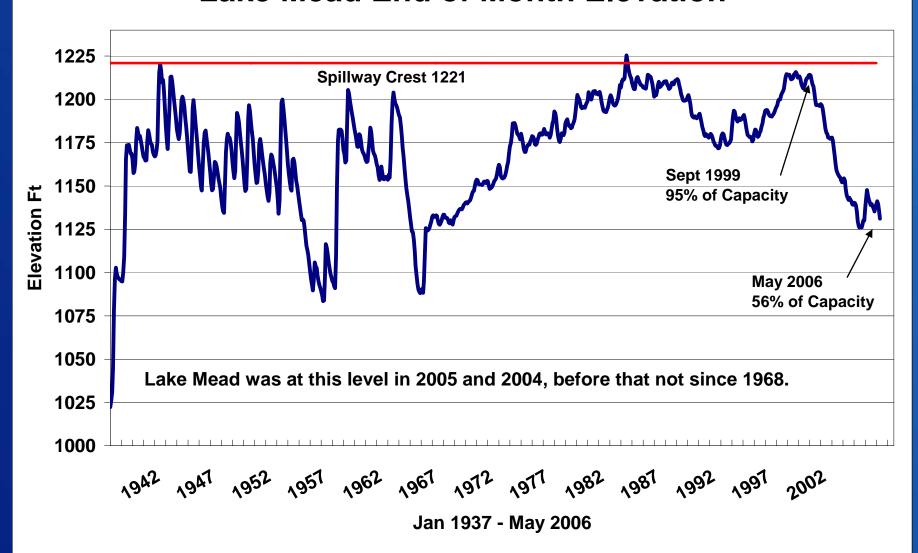
Lake Mead Capacity



Lake Mead Projected EOM Water Surface Elevation and Storage June 24 Month Study



Lake Mead End of Month Elevation



YAO Operations Update

- Over Deliveries to Mexico
 - Total over deliveries to Mexico through May 2006 was approximately 8,428 AF
 - Most of the over deliveries were caused by rain in January and spills from the irrigation facilities below Imperial Dam
- Pumped drainage return flows from the Wellton-Mohawk Irrigation and Drainage District
 - Flow at sta. 0+00 on the Main Outlet Drain (MOD) through Apr 2006 was approximately 30,613 AF at 2,414 ppm

YAO Operations Update

- Drainage Flows to the Colorado River
 - From South Gila through May 2006 was approximately 26,185 AF at 1,709 ppm
 - From the Yuma Mesa Conduit through May 2006 was approximately 22,506 AF at 1,529 ppm.

